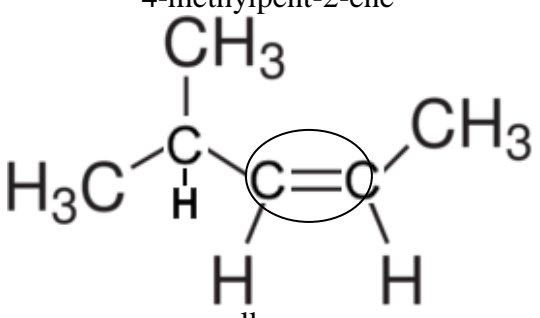
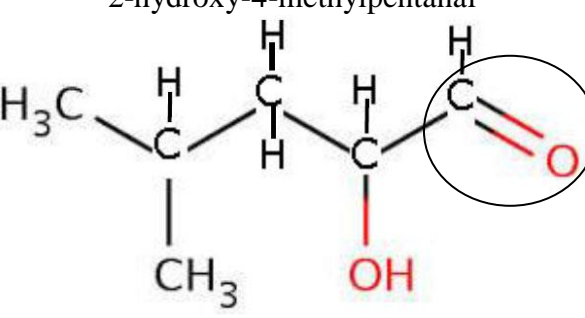
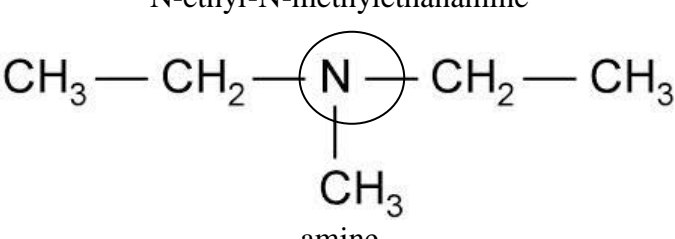
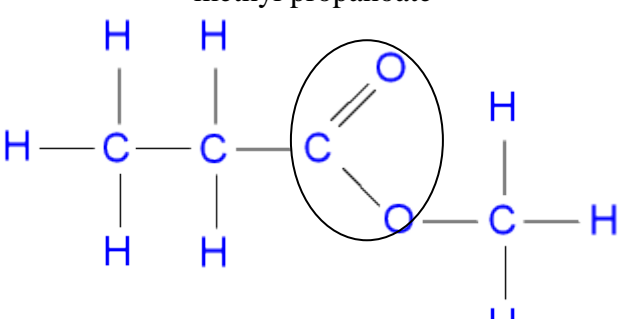
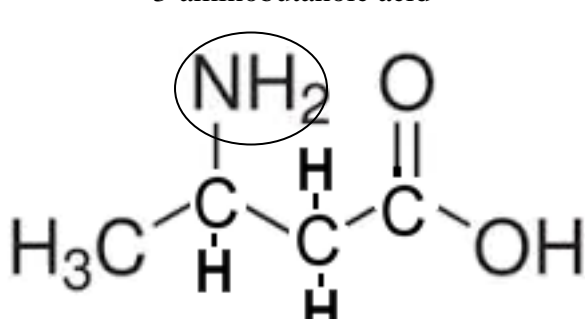
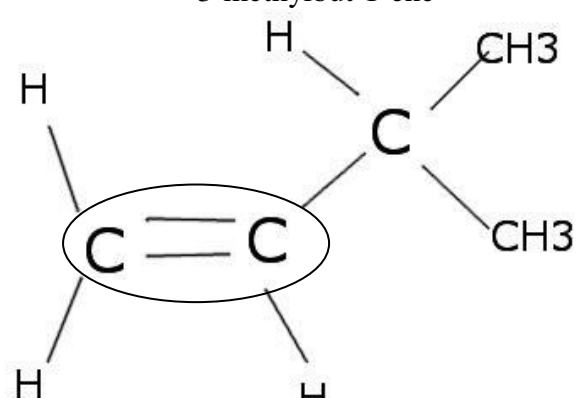
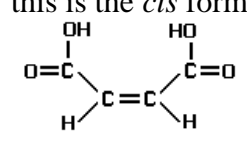
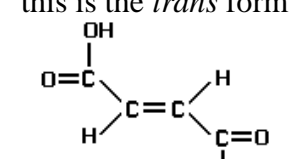
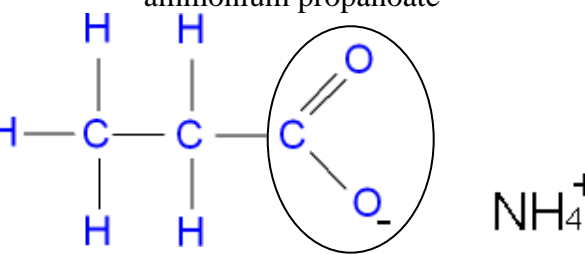
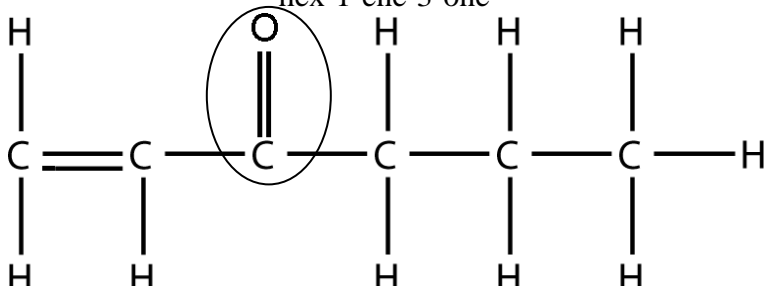


ANSWERS: Crystal ball questions on Level 3 Structural formula

QUESTIONS:

- i) draw the structural formula for each organic substance and...
- ii) circle the functional group of each substance and...
- iii) name the homologous series that the substance is in

<p>3-aminobutan-1-ol</p> <p>alcohol</p>	<p>5-bromo-2-methyl-pentanoyl chloride</p> <p>acyl chloride</p>	<p>4-methylhept-3-one</p> <p>ketone</p>
<p>N-methylpropanamide</p> <p>amide</p>	<p>4-methylpentan-2-ol</p> <p>alcohol</p>	<p>4-hydroxy-pent-2-ene</p> <p>alkene</p>

<p>4-methylpent-2-ene</p>  <p>alkene</p>	<p>2-hydroxy-4-methylpentanal</p>  <p>aldehyde</p>	<p>N-ethyl-N-methylethanamine</p>  <p>amine</p>
<p>methyl propanoate</p>  <p>ester</p>	<p>3-aminobutanoic acid</p>  <p>amine</p>	<p>3-methylbut-1-ene</p>  <p>alkene</p>
<p>but-2-ene-1,4-dioic acid</p> <div data-bbox="89 1053 716 1276"> <p>this is the <i>cis</i> form</p>  <p>this is the <i>trans</i> form</p>  </div> <p>carboxylic acid</p>	<p>ammonium propanoate</p>  <p>ester</p> <p>NH_4^+</p>	<p>hex-1-ene-3-one</p>  <p>ketone</p>